

panel, vertical touch sensors in the first touch panel, and vertical touch sensors in the second touch panel.

5. The mobile terminal of claim 3, wherein the touch controller scans, in order, vertical touch sensors in the first touch panel, vertical touch sensors in the second touch panel, horizontal touch sensors in the first touch panel, and horizontal touch sensors in the second touch panel.

6. The mobile terminal of claim 2, wherein a size of a sensing element in the second touch panel is greater than a size of a sensing element in the first touch panel.

7. The mobile terminal of claim 2, wherein the second touch panel comprises two horizontal touch sensors placed near the top end and the bottom end, and two vertical touch sensors placed near the left end and the right end.

8. The mobile terminal of claim 2, wherein the second touch panel comprises a single touch sensor.

9. The mobile terminal of claim 3, further comprising:  
a switch array for relaying connections between at least one touch sensor in the first touch panel or the second touch panel and ports of the touch controller.

10. The mobile terminal of claim 9, wherein the touch controller controls the switch array to change the arrangement pattern of at least one touch sensor included in the first touch panel or the second touch panel.

11. The mobile terminal of claim 10, wherein the switch array combines two or more touch sensors into a single touch sensor.

12. The mobile terminal of claim 10, wherein the switch array blocks all or some connections between ports of the touch controller and at least one touch sensor in the first touch panel or second touch panel.

13. A touch panel operating method for a mobile terminal having first and second touch panels, the method comprising:  
receiving a command for executing an application in the mobile terminal;  
identifying pattern information on a sensor arrangement pattern corresponding to the application to be executed;  
changing a sensor arrangement pattern of at least one of the first touch panel and the second touch panel based on the identified pattern information; and  
conducting scanning on the first touch panel and second touch panel in a specific sequence according to the changed sensor arrangement pattern.

14. The method of claim 13, wherein the changing of the sensor arrangement pattern comprises combining two or more touch sensors in the first touch panel or the second touch panel into a single touch sensor.

15. The method of claim 13, wherein the changing of the sensor arrangement pattern comprises blocking all or some connections between ports of a touch controller and at least one touch sensor in the first touch panel or second touch panel.

16. A mobile terminal comprising:

a first touch panel having at least one touch sensor;  
a second touch panel having at least one touch sensor;  
a single touch controller for controlling the first touch panel and the second touch panel and including a plurality of ports connected to at least one of the first touch panel and the second touch panel,

wherein a first group of the plurality of ports is connected to at least one of the touch sensor(s) of the first touch panel and a second group of the plurality of ports is connected to at least one of the touch sensor(s) of the second panel, and

wherein the first group and the second group each include at least one port, and no port in the first group is included in the second group.

17. The mobile terminal of claim 16, wherein the total number of the touch sensors in the first touch panel and the second touch panel is less than or equal to the number of ports in the single touch controller.

18. The mobile terminal of claim 16, wherein the total number of the touch sensors in the first touch panel and the second touch panel is greater than the number of ports in the single touch controller.

19. The mobile terminal of claim 16, further comprising:  
a switch array for connecting the touch sensors of the first touch panel and the second touch panel to the plurality of ports of the single touch controller.

20. The mobile terminal of claim 19, wherein the switch array blocks at least one connection between a touch sensor of the first touch panel or the second touch panel and a port of the single touch controller based on a sensor arrangement pattern.

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